

**DRAFT ENVIRONMENTAL REPORT  
for the  
MODESTO SURFACE WATER TREATMENT PLANT**

**Appendix A  
Stanislaus County Species List**

**October, 1989**

**APPENDIX A**

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**STANISLAUS COUNTY SPECIES LISTS**

MAMMALS FOUND IN STANISLAUS COUNTY

Courtesy, Dr. Dan Williams,  
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College

MARSUPIALIA

DIDELPHIDAE

*Didelphis marsupialis* - opossum

INSECTIVORA

SORICIDAE :

*Sorex ornatus* - ornate shrew

TALPIDAE :

*Scapanus latimanus* - broad-handed mole

CHIROPTERA

VESPERTILIONIDAE :

*Myotis lucifugus* - little brown myotis  
*Myotis yumanensis* - Yuma myotis  
*Myotis thysanodes* - fringe-tailed myotis  
*Myotis volans* - hairy-winged myotis  
*Myotis californicus* - California myotis  
*Myotis leibii* (= *subulatus*) - small-footed myotis  
*Lasionycteris noctivagans* - silver-haired bat  
*Pipistrellus hesperus* - western pipistrelle  
*Eptesicus fuscus* - big brown bat  
*Lasiurus borealis* - red bat  
*Lasiurus cinereus* - hoary bat  
*Plecotus* (= *Corynorhinus*) *townsendii* - lump-nosed bat  
*Antrozous pallidus* - pallid bat

MCLOSSIDAE :

*Tadarida brasiliensis* (= *mexicana*) - **Brazilian free-tailed bat**

LAGOMORPHA

LEPORIDAE :

*Lepus californicus* - Slack-tailed hare (jack rabbit)  
*Sylvilagus audubonii* - desert cottontail  
*Sylvilagus bachmani* - brush rabbit

## RODENTIA

### SCIURIDAE:

*Otospermophilus beecheyi* - California ground squirrel  
*Eutamias merriami* - Merriam's chipmunk  
*Sciurus griseus* - western gray squirrel

### GEOMYIDAE:

*Thomomys bottae* (= *umbrinus*) - southern pocket gopher

### HETEROMYIDAE :

*Perognathus longimembris* - little pocket mouse  
*Perognathus inornatus* - San Joaquin pocket mouse  
*Perognathus californicus* - California pocket mouse  
*Dipodomys heermanni* - Herrmann's kangaroo rat  
*Dipodomys venustus* - Santa Cruz kangaroo rat

### CASTORIDAE

*Castor canadensis* - beaver

### CRICETIDAE (=Muridae; Cricetinae)

*Reithrodontomys megalotis* - western harvest mouse  
*Peromyscus californicus* - California mouse  
*Peromyscus maniculatus* - deer mouse  
*Peromyscus boylii* - brush mouse  
*Peromyscus truei* - pinyon mouse  
*Neotoma lepida* - desert wood rat  
*Neotoma fuscipes* - dusky-footed wood. rat  
*Microtus californicus* - California vole  
*Ondatra zibethica* - muskrat

### MURIDAE :

*Rattus norvegicus* - Norway rat (introduced)  
*Rattus rattus* - black rat (introduced)  
*Mus musculus* - house mouse (introduced)

### ERETHIZONTIDAE :

*Erethizon dotsatum* - porcupine

### CAPROMYIDAE :

*Myocastor coypu* - nutria (introduced)

## CARNIVORA

### CANIDAE :

*Canis latrans* - coyote  
*Vulpes macrotis* - kit fox  
*Urocyon cinereoargenteus* - gray fox

PROCYONIDAE:

*Bassariscus astutus* - ringtail  
*Procyon lotor* - raccoon

MUSTELIDAE:

*Mustela frenata* - long-tailed weasel  
*Mustela vison* - mink  
*Taxidea taxus* - badger  
*Spilogale gracilis* (= *putorius*) - spotted skunk  
*Mephitis mephitis* - striped skunk  
*Lutra canadensis* - river otter

FELIDAE:

*Felis concolor* - mountain lion  
*Lynx rufus* - bobcat

ARTIODACTYLA

SUIDAE:

*Sus scrofa* - wild boar (introduced)

CERVIDAE:

*Odocoileus* (= *Dama*) *hermionus* - mule deer

FISH SPECIES AND THEIR PARTIAL DISTRIBUTION  
WITHIN STANISLAUS COUNTY

SPECIES	NON-NATIVE SPECIES	SAN JOAQUIN RIVER	STANISLAUS RIVER	TUOLUMNE RIVER	MODESTO RESERVOIR	TURLOCK RESERVOIR	WOODWARD RESERVOIR
Lamprey		x	x	x			
White Sturgeon		x	x	x			
Green Sturgeon		x	x	x			
American Shad	x	x	x	x			
Threadfin Shad	x	x	x	x	x	x	x
Silver Salmon*			x	x			
King Salmon		x	x	x			
Kokanee Salmon*	x		x	x			
Brown Trout	x		x	x			
Steelhead Rainbow Trout**		?	?	?			
Rainbow Trout			x	x		x	
Sucker		x	x	x	x	x	x
Carp	x	x	x	x	x	x	x
Goldfish	x	x	x	x			
Golden Shiner	x	x	x	x	x	x	x
Sacramento Blackfish		x	x	x			
Hardhead		x	x	x			
Hitch		x	x	x	x	x	x
Squawfish		x	x	x	x	x	x
Roach		x	x	x			
Dace		x	x	x			
Fathead Minnow***	x	x	x	x	x	x	x
Channel Catfish	x	x	x	x			
White Catfish	x	x	x	x	x	x	x
Brown Bullhead	x	x	x	x	x	x	x
Mosquitofish	x	x	x	x	x	x	x
Striped Bass	x	x	x	x	x		
Smallmouth Bass	x	x	x	x	x	x	x
Largemouth Bass	x	x	x	x	x	x	x
Warmouth Bass	x	x					
Green Sunfish	x	x	x	x	x	x	x
Redear Sunfish	x	x	x	x	x	x	x
Bluegill	x	x	x	x	x	x	x
Sacramento Perch		x	x	x			
White Crappie	x	x	x	x	x	x	x
Black Crappie	x	x	x	x	x	x	x
Tule Perch		x	x				
Sculpin		x	x	x	x	x	x
Stickleback		x	x	x			

\*Introduced into upstream reservoirs, may occur downstream occasionally.

\*\*Originally abundant, present occurrence doubtful.

\*\*\*Introduced as forage, occurrence rare.

Source: California Department of Fish and Game

BIRDS OF STANISLAUS COUNTY

**GAUFORMES**

Common Loon

**PODICIPEDIFORMES**

Pied-billed Grebe  
Horned Grebe  
Eared Grebe  
Western Grebe  
Clark's Grebe

**PELECANIFORMES**

American White Pelican  
Brown Pelican  
Double-crested Cormorant

**CICONIIFORMES**

American Bittern  
Least Bittern  
Great Blue Heron  
Great Egret  
Snowy Egret  
Cattle Egret  
Green-backed Heron  
Black-crowned Night Heron  
White-faced Ibis

**ANSERIFORMES**

Fulvous Whistling-Duck  
Tundra Swan  
Greater White-fronted Goose  
Snow Goose  
Ross' Goose  
Emperor Goose  
Canada Goose  
Wood Duck  
Green-winged Teal  
Mallard  
Northern Pintail  
Blue-winged Teal  
Cinnamon Teal  
Northern Shoveler  
Gadwall  
American Wigeon  
Canvasback  
Redhead  
Ring-necked Duck  
Greater Scaup  
Lesser Scaup  
Common Goldeneye  
Bufflehead  
Hooded Merganser  
Common Merganser  
Ruddy Duck

**FALCONIFORMES**

Turkey Vulture  
Osprey  
Black-shouldered Kite  
Bald Eagle  
Northern Harrier  
Sharp-shinned Hawk  
Cooper's Hawk  
Red-shouldered Hawk  
Swainson's Hawk  
Red-tailed Hawk  
Ferruginous Hawk  
Rough-legged Hawk  
Golden Eagle  
American Kestrel  
Merlin  
Peregrine Falcon  
Prairie Falcon

**GALLIFORMES**

Ring-necked Pheasant  
Wild Turkey  
California Quail

**GRUIFORMES**

Virginia Rail  
Sora  
Common Moorhen  
American Coot  
Sandhill Crane

**CHARADRIIFORMES**

Black-bellied Plover  
Lesser Golden-Plover  
Snowy Plover  
Semipalmated Plover  
Killdeer  
Black-necked Stilt  
American Avocet  
Greater Yellowlegs  
Lesser Yellowlegs  
Willet  
Spotted Sandpiper  
Whimbrel  
Long-billed Curlew  
Marbled Godwit  
Ruddy Turnstone  
Sanderling  
Western Sandpiper  
Least Sandpiper  
 Baird's Sandpiper  
Pectoral Sandpiper  
Dunlin  
Stilt Sandpiper  
Short-billed Dowitcher  
Long-billed Dowitcher  
Common Snipe  
Wilson's Phalarope  
Red-necked Phalarope  
Bonaparte's Gull  
Mew Gull  
Ring-billed Gull  
California Gull  
Herring Gull  
Caspian Tern  
Forster's Tern  
Black Tern

**COLUMBIFORMES**

Rock Dove  
Band-tailed Pigeon  
Mourning Dove

**CUCULIFORMES**

Yellow-billed Cuckoo  
Greater Roadrunner

**STRIGIFORMES**

Common Barn-Owl  
Western Screech-Owl  
Great Horned Owl  
Burrowing Owl  
Short-eared Owl  
Northern Saw-whet Owl

**CAPRIMULGIFORMES**

Lesser Nighthawk  
Common Poorwill

**APODIFORMES**

Vaux's Swift  
White-throated Swift  
Black-chinned Hummingbird  
Anna's Hummingbird  
Costa's Hummingbird  
Rufous Hummingbird  
Allen's Hummingbird

**CORACIIFORMES**

Belted Kingfisher

**PICIFORMES**

Lewis Woodpecker  
Acorn Woodpecker  
Red-breasted Sapsucker  
Nuttall's Woodpecker  
Downy Woodpecker  
Hairy Woodpecker  
Northern Flicker

**PASSERIFORMES**

Olive-sided Flycatcher  
Western Wood-Pee-wee  
Willow Flycatcher  
Western Flycatcher  
Black Phoebe  
Say's Phoebe  
Ash-throated Flycatcher  
Cassin's Kingbird  
Western Kingbird  
Horned Lark  
Purple Martin  
Tree Swallow  
Violet-green Swallow  
Northern Rough-winged Swallow  
Bank Swallow  
Cliff Swallow  
Barn Swallow  
Steller's Jay  
Scrub Jay  
Yellow-billed Magpie  
American Crow  
Common Raven  
Plain Titmouse  
Bushtit  
Red-breasted Nuthatch  
White-breasted Nuthatch  
Brown Creeper  
Rock Wren  
Canyon Wren  
Bewick's Wren  
House Wren  
Winter Wren  
Marsh Wren  
American Dipper  
Golden-Crowned Kinglet  
Ruby Crowned Kinglet  
Blue-gray Gnatcatcher  
Western Bluebird  
Mountain Bluebird  
Townsend's Solitaire  
Swainson's Thrush  
Hermit Thrush  
American Robin  
Varied Thrush  
Wrentit  
Northern Mockingbird  
Sage Thrasher  
Brown Thrasher  
California Thrasher  
Water Pipit  
Cedar Waxwing

Phainopepla  
Loggerhead Shrike  
European Starling  
Solitary Vireo  
Hutton's Vireo  
Warbling Vireo  
Orange-crowned Warbler  
Nashville Warbler  
Yellow Warbler  
Chestnut-sided Warbler  
Magnolia Warbler  
Yellow-rumped Warbler  
Black-throated Gray Warbler  
Townsend's Warbler  
Hermit Warbler  
MacGillivray's Warbler  
Common Yellowthroat  
Wilson's Warbler  
Yellow-breasted Chat  
Western Tanager  
Black-headed Grosbeak  
Blue Grosbeak  
Lazuli Bunting  
Green-tailed Towhee  
Rufous-sided Towhee  
Brown Towhee  
Rufous-crowned Sparrow  
Chipping Sparrow  
Vesper Sparrow  
Lark Sparrow  
Sage Sparrow  
Savannah Sparrow  
Grasshopper Sparrow  
Fox Sparrow  
Song Sparrow  
Lincoln's Sparrow  
Swamp Sparrow  
White-throated Sparrow  
Golden-crowned Sparrow  
White-crowned Sparrow  
Dark-eyed Junco  
Red-winged Blackbird  
Tricolored Blackbird  
Western Meadowlark  
Yellow-headed Blackbird  
Brewer's Blackbird  
Brown-headed Cowbird  
Hooded Oriole  
Northern Oriole  
Purple Finch  
House Finch  
Pine Siskin  
Lesser Goldfinch  
Lawrence's Goldfinch  
American Goldfinch  
House Sparrow